THE CITY OF NEW YORK
DEPARTMENT OF INFORMATION TECHNOLOGY &TELECOMMUNICATIONS
Paul J. Cosgrave, Commissioner
Mitchel Ahlbaum, Deputy Commissioner and General Counsel

September 30, 2008

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 - 12th Street, SW, Room TW-A325
Washington, DC 20554

Re: *Ex Parte Presentation*

Service Rules for the 698-746, 747-762 and 777-792 MHz Bands
WT Docket No. 06-150

Implementing a Nationwide, Broadband, Interoperable Public Safety Network
In The 700 MHz Band
PS Docket No. 06-229

Dear Secretary Dortch:

On September 18, 2008, Paul Cosgrave, Commissioner of the New York City Department of Information Technology and Telecommunications; Charles Dowd, Deputy Chief of the New York City Police Department ("NYPD"); and James Hassett, Manager, Radio Repair Operations of the NYPD met with Derek Poarch, Chief of Public Safety and Homeland Security Bureau of the FCC, and members of his staff, to discuss matters related to the then pending adoption of a Third Further Notice of Proposed Rulemaking in FCC dockets WT Docket No. 06-150 and PS Docket No. 06-229. Also in attendance were Dr. Melodie Maybery-Stewart and Dr. Jonathan Spanos from the New York State Office for Technology.

As set forth in the attached presentation, which was distributed at the meeting, Commissioner Cosgrave, Chief Dowd and Mr. Hassett outlined a proposal to implement a "proof of concept" project that would utilize Long Term Evolution (LTE) technology as a wireless platform for public safety mission critical voice and data communications on 700 MHz spectrum in New York City. This proof of concept project was proposed to serve as a national model for next generation public safety radio systems and potentially provide future data to Federal policy makers.

75 PARK PLACE · NEW YORK · NY · 10007
212 · 788 · 6600

Pursuant to Section 1.1206(b)(2) of the Commission's Rules, an electronic copy of this letter is being filed for inclusion in the above-referenced docket.

Sincerely,

/s/ Mitchel Ahlbaum

75 PARK PLACE · NEW YORK · NY · 10007
212 · 788 · 6600

NYPD / City of New York

700 MHZ. LONG TERM EVOLUTION (LTE)

MISSION CRITICAL VOICE PROOF OF CONCEPT

LTE Proof Of Concept Mission Statement

- The goal of this effort is to prove the viability of utilizing Long Term Evolution (LTE) technology as a wireless platform for public safety mission critical voice and data communications on unoccupied 700 MHz. spectrum in New York City.

- The results of this proof of concept project can serve as a national model for next generation public safety radio systems and may provide future direction to Federal policy makers.

Desired Features

- Dynamic Configuration of Talk Paths and User Groups
- Talk Group concept
- Push To Talk (Dispatch) Protocol with Low Latency
- One to One Voice Communications Capability
- Radio to Radio and Group to Group Communications
- Radio Access Nodes to be Equipped with 24 Hour Emergency Power
- Resilient and Diverse Backhaul
- Mission Critical Voice and Data Capabilities

Regulatory and Spectrum Issues

- Secure an experimental FCC license to conduct a proof of concept wireless project on 700 MHz. in New York City beginning February 18, 2009, using LTE technology.

Procurement

- Use existing NYCWIN contract as a procurement vehicle
- Add 700 MHz. overlay to existing NYCWIN sites in the Proof of Concept area.
- Purchase 700MHz. LTE infrastructure equipment and subscriber units

Network Design

- Leverage NYCWIN cellular network engineering expertise.
- Establish a relationship with an LTE equipment provider
- Produce a system design and acceptance test plan within 3 to 4 months

Deployment

- Procure and install infrastructure equipment within 6 to 8 months
- Interconnect all Radio Sites to the NYCWIN Network Operations Center
- Document all activities

Network Optimization

- Optimize all Site Equipment. (1 Month)
- Initial Test of Coverage Area, Document Results
- Fine Tune Network, Document Results
- Perform a Coverage Test of the Coverage Area; Document Results

Acceptance Testing

- Perform Acceptance Test to Include
  - On Street Grid Coverage
  - In Building Coverage
  - Cell Edge Performance
  - Cell Handoff
  - Voice Call Set Up Time
  - Voice Network Latency (Less than 100msec.)
  - Delivered Audio Quality
  - Throughput Analysis
  - Capacity
- Document Results

Documentation and Reporting

- Compile Data
- Write Report
- Make Recommendations
- Submit Results to NYPD and NYC Oversight, and to the FCC